**In The Specification:**

Please replace the paragraph beginning on page 18, line 13, with the following:

--A modification of the second combustion chamber and induction heater at the base of the retort is illustrated in FIG. 4, in which like reference numerals preceded by a "4" or "5" relate to the corresponding parts of FIG. 2, e.g., column 455, retort outlet 470, slag outlet 498 and molten metal outlets 500, 502. The base of the second combustion chamber 454b is funnel-shaped and in effect forms an integral lowermost tube 462 (the functional equivalent of lowermost tube 162 of FIG. 2). The top of the induction heater 496 has also been modified to receive a gas burner 515 through an opening therein 517. In addition, further fuel, preheated air, flux precursor (e.g. limestone) and/or oxygen may be admitted through the opening 517, in order to produce sufficient hot waste gas for heat transfer. Typically, a temperature of at least 1500.degree. C. will be required in the "melting zone" located towards the top of the induction heater 496, in order to ensure heat transfer sufficient for the "zinc boiling zone", towards the base of the second combustion chamber, to be maintained at a temperature of 907.degree. C. or higher. In this way, waste heat and/or heated gases from the melting zone are utilised in the formation of the zinc vapour. Zinc vapour released from the zinc boiling zone exits the second combustion chamber 454b via conduit 480 and travels to the zinc condenser (not shown).--